

**In the Claims**

Claims 1, 2, 6, 15, 19, 21, 25 and 30 are amended.

Claims 1-32 remain in the application and are listed below as follows:

- 5           1.     (Currently Amended) A method of operating a printer comprising:  
              monitoring content of one or more documents that are to be printed on a  
              printer, said monitoring taking place within a printer that is to print the one or  
              more documents;  
              determining whether the monitored content is of interest to an organization  
10       of which the printer comprises a part; and  
              monitoring one or more variables or parameters associated with the security  
              of the printer, wherein at least one of said variables or parameters is associated  
              with I/O activities of data that is to be or has been printed on the printer; and  
              generating a notification if the content is of interest to the organization.
- 15           2.     (Currently Amended) The method of claim 1, wherein said  
              monitoring content comprises receiving and analyzing a data stream in the printer,  
              the data stream pertaining to the one or more documents that are to be printed.
- 20           3.     (Original) The method of claim 1, wherein said determining  
              comprises ascertaining whether the content includes one or more keywords or  
              phrases.
4.     (Original) The method of claim 1, wherein said determining  
25       comprises ascertaining whether the content comprises a particular structure.

5. (Original) The method of claim 1, wherein said generating comprises generating a notification that includes at least a portion of the content that is of interest to the organization.

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6. (Currently Amended) A method of operating a printer comprising:  
providing a context-analyzer within a printer;  
receiving a data stream into the printer, the data stream representing a document that is to be printed by the printer;

10 providing a data stream to the context-analyzer; and

analyzing the provided data stream with the context-analyzer to ascertain one or more contexts associated with the data stream; and

monitoring one or more variables or parameters associated with the security of the printer, wherein at least one of said variables or parameters is associated with I/O activities of data that is to be or has been printed on the printer.

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7. (Original) The method of claim 6, wherein said providing of the context-analyzer comprises delivering the context-analyzer to the printer via a network.

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8. (Original) The method of claim 6, wherein said providing of the context-analyzer comprises delivering the context-analyzer in the form of an applet to the printer via a network.

9. (Original) The method of claim 6, wherein said analyzing comprises using a structure detector that is configured to analyze the data stream so that it can ascertain a structure associated with a document that is to be printed.

5 10. (Original) The method of claim 6, wherein said analyzing comprises using a keyword detector that is configured to analyze the data stream so that it can ascertain one or more keywords or phrases that appear in a document that is to be printed.

10 11. (Original) The method of claim 6 further comprising self-replicating the context-analyzer to other printers on a network.

12. (Original) The method of claim 11, said self-replicating comprises:  
seeking out other network printers;  
15 copying the context-analyzer; and  
providing at least one copy of the context-analyzer to the other network printers.

13. (Original) The method of claim 6 further comprising reporting on the  
20 context of the data stream.

14. (Original) The method of claim 13, wherein said reporting comprises reporting context information to a computing entity.

25 15. (Currently Amended) A method of operating a printer comprising:

defining a document profile;  
programming a context-analyzer with the document profile;  
providing the context-analyzer within a printer;  
receiving a data stream with the context-analyzer, the data stream being  
5 associated with a document that is to be printed by the printer;  
analyzing the data stream with the context-analyzer; and  
determining whether the data stream meets the document profile within  
some degree of certainty; and  
monitoring one or more variables or parameters associated with the security  
10 of the printer, wherein at least one of said variables or parameters is associated  
with I/O activities of data that is to be or has been printed on the printer.

16. (Original) The method of claim 15, further comprising generating a  
notification if the document profile is met.

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17. (Original) The method of claim 15, wherein said programming  
occurs after said providing.

18. (Original) The method of claim 15, wherein said defining of the  
20 document profile comprises doing so using one or more keywords or phrases.

19. (Currently Amended) One or more computer-readable media having  
computer-readable instructions thereon which, when executed by a printer, cause  
the printer to:

monitor content of one or more documents that are to be printed on a printer;

determine whether the monitored content is of interest to an organization;  
and

- 5 generate a notification if the content is of interest to the organization; and  
monitor one or more variables or parameters associated with the security of  
the printer, wherein at least one of said variables or parameters is associated with  
I/O activities of data that is to be or has been printed on the printer.

- 10 20. (Original) The computer-readable media of claim 19, wherein the instructions cause the printer to determine whether the content is of interest by comparing document content with one or more defined profiles that describe information that is of interest to the organization.

- 15 21. (Currently Amended) An apparatus comprising:

at least one printer; ~~and~~

- a context-analyzer resident in said at least one printer and configured to monitor content of one or more documents that are to be printed on the printer and determine whether the content is of interest to an organization of which the printer  
20 comprises a part; and

a printer monitor associated with said at least one printer and configured to  
monitor one or more variables or parameters associated with the security of the  
printer, wherein at least one of said variables or parameters is associated with I/O  
activities of data that is to be or has been printed on the printer.

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22. (Original) The apparatus of claim 21, wherein the context-analyzer is configured to generate a notification if the content is of interest to the organization.

23. (Original) The apparatus of claim 21, wherein the context-analyzer is  
5 configured to self-replicate itself to other printers across a network to which the at least one printer has access.

24. (Original) The apparatus of claim 21 further comprising:  
at least one other printer having a context-analyzer; and  
10 a network configured to establish a communication link between the printers.

25. (Currently Amended) An apparatus comprising:  
at least one printer; and  
15 a context-analyzer resident in the printer and configured to:  
receive a data stream within the printer, the data stream representing  
a document that is to be printed by the printer; and

analyze the data stream to ascertain one or more contexts associated  
with the data stream; and  
20 a printer monitor associated with said at least one printer and  
configured to monitor one or more variables or parameters associated with  
the security of the printer, wherein at least one of said variables or  
parameters is associated with I/O activities of data that is to be or has been  
printed on the printer.

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26. (Original) The apparatus of claim 25, wherein the context-analyzer is configured to analyze the data stream by using a structure detector to detect a structure of a document that is to be printed.

5 27. (Original) The apparatus of claim 25, wherein the context-analyzer is configured to analyze the data stream by using a keyword detector that is configured to analyze a data stream so that it can ascertain one or more keywords or phrases that appear in a document that is to be printed.

10 28. (Original) The apparatus of claim 25 further comprising:  
at least one other printer having a context-analyzer; and  
a network configured to establish a communication link between the  
printers.

15 29. (Original) The apparatus of claim 28, wherein said context-analyzer is configured to self-replicate itself to other printers on the network.

30. (Currently Amended) An architecture comprising:  
one or more context-analyzers, each of which being configured to:  
20 receive a data stream within a printer, the data stream representing a  
document that is to be printed by the printer; and  
analyze the data stream to ascertain one or more contexts associated  
with the data stream; and  
a printer monitor associated with the printer and configured to monitor one  
25 or more variables or parameters associated with the security of the printer, wherein

at least one of said variables or parameters is associated with I/O activities of data that is to be or has been printed on the printer.

31. (Original) The architecture of claim 30, wherein the context-  
5 analyzers are configured to generate a notification based on the context of a data stream.

32. (Original) The architecture of claim 30, wherein the context-  
analyzers are configured to analyze the data stream by comparing content of the  
10 data stream with one or more profiles defining information of interest.